BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work : Improvements to drain and footpath at KG hally in ward no 12, Shettyhalli sub Division

Measurement record on :-

Sl No	Description of work	No	Dimensions			Quantity	Unit
			L	B	D		
1	Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2018-19, Page No.142, Item No. 19.1) including Conveying the excavated earth silt, debris and over burden earth etc., to lead of 0 to 5 kms distance by using						
	Kamgodanahalli main road Arc Cross to seena traders	4	30.00	0.60	0.45	32.40	
	S/ side	4	30.00	0.60	0.45	32.40	
	N & S/ side	4	24.80	0.60	0.25	14.88	
	Seena traders to ayyappa condiments N/side	12	30.00	0.60	0.60	129.60	
	S/ side	12	30.00	0.60	0.60	129.60	
	N & S/ side	2	19.20	0.60	0.60	13.82	
	Ayyappa Condiments to Sriram Temple N/side	21	30.00	0.90	0.50	283.50	
	S/ side	21	30.00	0.60	0.50	189.00	
	N & S/ side	2	15.40	0.60	0.40	7.39	
	Sriram Temple to Petrol bunk N/side	11	30.00	0.60	0.55	108.90	
	S/ side	11	30.00	0.60	0.55	108.90	
	N & S/ side	2	28.40	0.60	0.35	11.93	
	Kamgodanahalli village 1 St cross road east side	5	30.00	0.45	(.40+.35)/2	25.31	
	East side	1	18.60	0.45	(.40+.35)/2	3.14	
	West side	5	30.00	0.60	0.55	49.50	
	West side	1	18.40	0.45	0.45	3.73	
	Kamgodanahalli village 2nd cross road east side	5	30.00	0.45	(.40+.30)/2	23.63	
	East side	1	18.60	0.45	(.40+.35)/2	3.14	
	West side	5	30.00	0.60	0.55	49.50	
	West side	1	18.40	0.45	0.50	4.14	
	Kamgodanahalli village 3rd cross road east side	5	30.00	0.45	0.55	37.13	
	East side	1	18.45	0.45	(.40+.35)/2	3.11	
	West side	5	30.00	0.60	0.55	49.50	
	West side	1	18.70	0.45	0.55	4.63	
	Kamgodanahalli village 4th cross road east side	5	30.00	0.45	0.5	33.75	
	East side	1	18.60	0.45	(.40+.35)/2	8.37	
	West side	5	30.00	0.60	0.50	45.00	
	West side	1	18.25	0.45	0.50	4.11	
	Cross roads	1	20.00	0.45	0.50	4.50	
	Cross roads	2	19.80	0.45	0.50	8.91	
	Cross roads	2	20.00	0.60	0.50	12.00	
	4 th cross to SWD North	5	30.00	0.45	0.50	33.75	
		1	12.00	0.45	0.55	2.97	
	4 th cross to SWD South	5	30.00	0.45	0.55	37.13	
		1	12.80	0.45	0.55	3.17	
	Cross roads	5	30.00	0.45	0.50	33.75	
		1	21.1	0.45	0.40	3.80	
	Kala road North	35	30.00	0.60	0.55	346.50	
		1	26.50	0.60	0.55	346.50	
	South Side	35	30.00	0.60	0.55	346.50	

05/02/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ಜಾಲರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಕಛೇರಿ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

	1	28.40	0.60	0.55	9.37	
Cross roads	4	12.00	0.60	0.50	14.40	
	4	12.00	0.60	0.50	14.40	
Cross roads	4	12.00	0.60	0.55	15.84	
	4	12.00	0.60	0.55	15.84	
					2659.32	Cum

Assistant Engineer
Ward No 12
05/02/2020

Assistante Executive Engineer
Shettyhalli Sub Division

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2	KSRRB M2100 -10. **Plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46 cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scafofolding and centering complete as per specifications MORTH Specification No. 2100 **(PWD SR 2018-19 Page No.222 , Item No. 27.18)**						
	Ragvendra layout culvert	1	6.80	1.80	0.15	1.84	
	Ragvendra layout culvert	1	7.10	1.80	0.15	1.92	
	Ragvendra layout culvert	1	7.20	1.80	0.15	1.94	
	Adjecent to petrol bunk Kg Halli main road culvert	1	6.90	1.80	0.15	1.86	
						7.56	Cum

Assistant Engineer
Ward No 12
07/02/2020

Assistante Executive Engineer
Shettyhalli Sub Division
07/02/2020

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3	Providing laying palin / reinforced cement concrete for **side Drain using M20 nominal mix concrete** with OPC at 300 kgs with 20 mm and down size granite metal coarse aggregates at 0.69 cum fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., completet excluding cost of steel ae per MMORTH specification No 1500, 1700, 2200. including cost of materials,						
	Ragvendra layout culvet bottom	1	6.80	1.60	0.15	1.63	
	wall	2	6.80	0.30	0.65	2.65	
	Ragvendra layout culvet bottom	1	7.10	1.60	0.15	1.70	
	wall	2	7.10	0.30	0.65	2.77	
	Ragvendra layout culvet bottom	1	7.20	1.60	0.15	1.73	
	wall	2	7.20	0.30	0.65	2.81	
	Adjecent to petrol bunk Kg Halli main road	1	6.90	1.60	0.15	1.66	
	Ramp	2	6.80	0.45	0.25	1.53	
	Ramp	2	7.10	0.45	0.25	1.60	
	Ramp	2	7.20	0.45	0.25	1.62	

	2	6.90	0.45	0.25	1.55	
r Sriram Temple	1	10.50	11.50	0.15	18.11	
	1	8.25	11.15	0.15	13.80	
			Limited to		**53.16**	Cum

Assistant Engineer
Ward No 12
08/02/2020

Assistante Executive Engineer
Shettyhalli Sub Division

E.E. (D.D.)

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4	Providing and constructing granite / trap / basalt **size stone masonry** in **basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. **(P 255 It No 34.9)**						
	Adjesent to petrol bunk Kg Halli main road	2	6.90	0.60	0.90	7.45	
						7.45	Cum

Assistant Engineer
Ward No 12
08/02/2020

Assistante Executive Engineer
Shettyhalli Sub Division
08/02/2020

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5	KSRRB M2200-6 : Providing **TMT teel reinforcement for RCC work** including starightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification MORTH Specification No.1600 & 2200 - TMT Bars Fe 500 **[P. no. 229 - l. no.28.8.2]**						
	Ragvendra layout Culvert Steel 16mm @1.57kg/m	2X46	2.65			382.77	
	8mm @0.39kg/m	38	6.8			100.78	
	Ragvendra layout Culvert Steel 16mm @1.57kg/m	2x49	2.65			407.73	
	8mm @0.39kg/m	38	7.1			105.22	
	Ragvendra layout Culvert Steel 16mm @1.57kg/m	2x48	2.65			399.41	
	8mm @0.39kg/m	38	7.1			105.22	
						1501.12	
						1.5	Ton

Assistant Engineer
Ward No 12
18/02/2020

Assistante Executive Engineer
Shettyhalli Sub Division
08/02/2020

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6	Removing and Refixing of slabs of Drains and pointing in C. M. (1:3) **(PWD SR 2018-19 , P. 27, l. 5.33)**						
	Kamgodanahalli main road Arc Cross to seena traders	4	30.00	0.90		108.00	

	S/ side	4	30.00	0.90		108.00
	N & S/ side	4	24.80	0.90		89.28
Seena traders to ayyappa condiments	N/side	12	30.00	0.90		324.00
	S/ side	12	30.00	0.90		324.00
	N & S/ side	2	19.20	0.90		34.56
Ayyappa Condiments to Sriram Temple	N/side	21	30.00	0.90		567.00
	S/ side	21	30.00	0.90		567.00
	N & S/ side	2	15.40	0.90		27.72
Sriram Temple to Petrol bunk	N/side	11	30.00	0.90		297.00
	S/ side	11	30.00	0.90		297.00
	N & S/ side	2	28.40	0.90		51.12
Kamgodanahalli village 1 St cross road	east side	5	30.00	0.75		42.19
	East side	1	18.60	0.75		5.23
	West side	5	30.00	0.90		135.00
	West side	1	18.40	0.75		13.80
Kamgodanahalli village 2nd cross road	east side	5	30.00	0.75		39.38
	East side	1	18.60	0.75		5.23
	West side	5	30.00	0.90		135.00
	West side	1	18.40	0.75		13.80
Kamgodanahalli village 3rd cross road	east side	5	30.00	0.75		112.50
	East side	1	18.45	0.75		5.19
	West side	5	30.00	0.90		135.00
	West side	1	18.70	0.75		14.03
Kamgodanahalli village 4th cross road	east side	5	30.00	0.75		112.50
	East side	1	18.60	0.75		13.95
	West side	5	30.00	0.90		135.00
	West side	1	18.25	0.75		13.69
	Cross roads	1	20.00	0.75		15.00
	Cross roads	2	19.80	0.75		29.70
	Cross roads	2	20.00	0.90		36.00
4 th cross to SWD North		5	30.00	0.75		112.50
		1	12.00	0.75		9.00
4 th cross to SWD South		5	30.00	0.75		112.50
		1	12.80	0.75		9.60
	Cross roads	5	30.00	0.75		112.50
		1	21.1	0.75		15.83
	Kala road North	35	30.00	0.90		945.00
		1	26.50	0.90		945.00
	South Side	35	30.00	0.90		945.00
		1	28.40	0.90		25.56
	Cross roads	4	12.00	0.90		43.20
		4	12.00	0.90		43.20
	Cross roads	4	12.00	0.90		43.20
		4	12.00	0.90		43.20
						7212.14

Assistant Engineer
Ward No 12

15/03/2020

Assistante Executive Engineer
Shettyhalli Sub Division

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	plying and fixing precast reinforced concrete slab 10 cm ck of mix M20 using 20mm and downsize graded granite etal using reinforcement 10mm dia steel at 150mmc/c ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface						
	Seena traders to ayyappa condiments N/side		8	0.90	0.60		4.32
	S/ side		12	0.90	0.60		6.48
	Ayyappa Condiments to Sriram Temple N/side		9	0.90	0.60		4.86
	S/ side		11	0.90	0.60		5.94
	Sriram Temple to Petrol bunk N/side		12	0.90	0.60		6.48
	S/ side		7	0.90	0.60		3.78
	Kamgodanahalli village 1 St cross road east side		7	0.90	0.60		3.78
	East side		8	0.90	0.60		4.32
	West side		4	0.90	0.60		2.16
	West side		9	0.90	0.60		4.86
	Kamgodanahalli village 2nd cross road east side		9	0.90	0.60		4.86
	East side		7	0.90	0.60		3.78
	West side		12	0.90	0.60		6.48
	West side		4	0.90	0.60		2.16
	Kamgodanahalli village 3rd cross road east side		6	0.90	0.60		3.24
	East side		9	0.90	0.60		4.86
	West side		4	0.90	0.60		2.16
	West side		12	0.90	0.60		6.48
							81.00

Assistant Engineer
Ward No 12
15/03/2020

Assistante Executive Engineer
Shettyhalli Sub Division
15/03/2020

continued..

8	Providing and laying Pre Cast **Drain Cover slabs of 250mm thickness** including cost of all materials, labour, curing, transportation,loading, unloading etc.,complete as per the direction of Engineer - In- Charge. (Data Rate enclosed)						
	Ragvendra layout culvert	1	6.80	1.50		10.20	
	Ragvendra layout culvert	1	7.10	1.50		10.65	
	Ragvendra layout culvert	1	7.20	1.50		10.80	
	Adjecent to petrol bunk Kg Halli main road culvert	1	6.90	1.50		10.35	
	Near Dina Shakthi Indr K G halli	6	1.50	0.60		5.40	
	Near Abhais Caterers	4	1.50	0.60		3.60	
	11th main Kg halli	8	1.20	0.60		5.76	
	12th main Kg halli	9	1.20	0.60		6.48	
	Kg halli main road	6	1.50	0.60		5.40	
	Kg halli main road cross	7	1.50	0.60		6.30	
	Kg halli main road cross	6	1.50	0.60		5.40	
	Kg halli main road cross	4	1.50	0.60		3.60	
						83.94	
					Limited to	**82.50**	Sqm

E.E. (D.D.)

Assistant Engineer
Ward No 12
15/03/2020

Assistante Executive Engineer
Shettyhalli Sub Division
15/03/2020

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸನಪುರ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ಶತೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.